

Claims

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1. A burglarproof apparatus for a data storage disk, comprising:

5 a case body wherein a housing space is formed in a lengthwise direction for the data storage disk and a lock groove is formed on both outer sides thereof;

a disk holder including a plurality of guide rails for being inserted into the lock groove of the case body, formed
10 on both inner side thereof, for supporting and housing a width of the data storage disk; and

a locking means for controlling an operation of combining the disk holder into the case body, including a hanger protrusion disposed on an inner face of the lock
15 groove, and a leaf spring provided with a through hole between guide rails of the disk holder for locking the hanger protrusion in the through hole.

2. The burglarproof apparatus as recited in claim 1, wherein the guide rails of the disk holder includes a pair
20 of dovetails protruded on one side thereof and an extended standing piece on portions of the dovetails, and the lock groove of the case body includes dovetail grooves corresponding to the dovetails and a standing guide grove
25 corresponding to the standing piece.

3. The burglarproof apparatus as recited in claim 1, wherein the hanger protrusion of the locking means has a shape of a right triangle protruded in a direction of
30 inserting disk holder into the case body.

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4. The burglarproof apparatus as recited in claim 1, ~~2~~
~~or 3~~, wherein the leaf spring of the locking means has an embossing for being attached ultrasonically with an inner
35 face of the guide rail, formed on one side thereof, and a bended shape for being separated from the inner face of the

A2 guide rail, formed on the other side thereof.

5 5. The burglarproof apparatus as recited in claim 1, further comprising sunken portions on both sides of the case body.

6. A burglarproof apparatus for a data storage disk, having a case body forming a housing space therein, a disk holder for supporting and housing a width of the data storage disk, and a storage case equipped with a locking means for controlling an operation of combining the disk holder into the case body, comprising:

a key block in which a housing groove is formed, for a width of the disk holder being inserted;

15 a magnet, disposed in both sides of the housing groove of the key block corresponding to the width of the disk holder, for unlocking by supplying a pulling force to the locking means when the disk holder is inserted; and

20 an unlocking pin, formed in a shape of a protrusion, disposed on a front face of the housing groove of the key block having the direction that the disk holder is inserted, for supporting the case body when the case body is separated from the disk holder being pressed by an external force.

25 7. The burglarproof apparatus as recited in claim 6, wherein the key block includes a first and a second stepped housing grooves for housing a single or a double cases on an upper part thereof, and a third housing groove for housing a width of a tape case in a bottom portion thereof.

30 8. A burglarproof apparatus for a data storage disk, comprising:

a case body in which a housing space is formed, guide rails are formed on one side of both parts and a lock groove formed on the both faces of the guide rails in a lengthwise direction;

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a disk holder in which rail grooves are formed on both sides corresponding to the guide rails for coupling the case body and a plurality of slots formed on one side of inside the guide rails; and

5 a locking means for controlling an operation combining the disk holder into the case body, including a first combination piece formed inside the lock groove and a second combination piece formed inside the rail groove for being attached on and detached from the first hanger piece.

10 9. The burglarproof apparatus as recited in claim 8, wherein the locking means includes the first combination piece formed inside the lock groove in a shape of a hanger protrusion, the second combination piece having a bended
15 piece for being inserted into a fixed piece formed on inner part of the rail groove and a leaf spring formed a thorough hole therein for being coupled with the hanger protrusion.

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20 10. The burglarproof apparatus as recited in claim 8 or 9, wherein the hanger protrusion of the locking means is protruded having a shape of a right triangle in a direction of inserting the disk holder into the case body.

25 (11) A burglarproof apparatus for data storage disk, comprising:

a case body in which a housing space is formed, guide rails are formed on parts of both sides thereof and a lock groove formed on the both faces of the guide rails in a lengthwise direction;

30 a disk holder in which rail grooves are formed on both sides corresponding to the guide rails for coupling the case body and a plurality of slots formed on one side of inside the guide rails;

35 a locking means for controlling an operation of combining the disk holder into the case body, including a hanger protrusion formed inside the lock groove one side

A2 thereof and a leaf spring formed inside the rail groove for being attached on and detached from the first hanger piece on another side thereof;

5 a key block including a housing groove of a width of the disk holder being inserted;

a magnet, disposed in both sides of the housing groove of the key block corresponding to the width of the disk holder, for unlocking by supplying a pulling force to the locking means when the disk holder is inserted; and

10 a supporting means for supporting the case body when the case body is separated from the disk holder being pressed by an external force.

12. The burglarproof apparatus as recited in claim 11, 15 the supporting means includes a first step formed in a lower part of the case body and a second step formed in the housing groove of the key block.

13. The burglarproof apparatus as recited in claim 11, 20 further comprising a guide hole formed on both rear sides of the disk holder for unlocking.

a 14. The burglarproof apparatus as recited in claim 11, ~~12 or 13~~, wherein the supporting means disposed on both 25 front sides of the housing groove of the key block in a shape of a protrusion, and includes an unlocking pin penetrating the guide hole of the disk holder in contact with a face of the case body.

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